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SEQUENCE LISTING



(1) GENERAL INFORMATION:

- (i) APPLICANT: Rosinski-Chupin, Isabelle R.
Tronik, Diana
Rougeon, Francois
Seidah, Nabil
- (ii) TITLE OF INVENTION: Peptides and Polypeptides Derived
from the Submaxillary Gland of the Rat, Corresponding
Antibodies, Corresponding Hybridomas, and Uses of
These Products for Diagnosis, Detection, or
Therapeutic Purposes
- (iii) NUMBER OF SEQUENCES: 8
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Burns, Doane, Swecker & Mathis
(B) STREET: P.O. Box 1404
(C) CITY: Alexandria
(D) STATE: VA
(E) COUNTRY: USA
(F) ZIP: 22313-1404
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/476,120
(B) FILING DATE: 07-JUN-1995
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/153,277
(B) FILING DATE: 17-NOV-1993
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 07/499,276
(B) FILING DATE: 19-JUL-1990
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: PCT/FR88/00523
(B) FILING DATE: 11-OCT-1989
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: FR 88/13353
(B) FILING DATE: 11-OCT-1988
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: McGowan, Malcolm K.
- (B) REGISTRATION NUMBER: 39,300
- (C) REFERENCE/DOCKET NUMBER: 004900-129

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: (703) 836-6620
- (B) TELEFAX: (703) 836-2021

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 4 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: not relevant

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Gln His Asn Pro

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 4 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: not relevant

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Xaa His Asn Pro

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 5 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: not relevant

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Gln His Asn Pro Arg
5

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 5 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: not relevant

(ii) MOLECULE TYPE: peptide

C (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Xaa His Asn Pro Arg
5

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 5 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: not relevant

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Gln His Asn Pro Lys
5

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 5 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: not relevant

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Xaa His Asn Pro Lys
5

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 658 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: not relevant
- (D) TOPOLOGY: not relevant

(ii) MOLECULE TYPE: cDNA

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: Rat
- (F) TISSUE TYPE: Submaxillary Gland
- (G) CELL TYPE: Glandular

(viii) POSITION IN GENOME:

- (A) CHROMOSOME/SEGMENT: SMR1

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 73..510

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

AAACTGACTG ACCAGAGAGC TTCTGACCAG CACATTTCCC CGCTCAGAAG TTTCTCCAAG	60
GGGCTACCAA AG ATG AAG TCA CTG TAT TTG ATC TTT GGC CTG TGG ATC	108
Met Lys Ser Leu Tyr Leu Ile Phe Gly Leu Trp Ile	
1 5 10	
CTT CTA GCA TGC TTC CAG TCA GGT GAG GGT GTC AGA GGC CCA AGA AGA	156
Leu Leu Ala Cys Phe Gln Ser Gly Glu Gly Val Arg Gly Pro Arg Arg	
15 20 25	
CAA CAT AAT CCT AGA AGA CAA CAA GAT CCT TCA ACT CTT CCT CAT TAT	204
Gln His Asn Pro Arg Arg Gln Gln Asp Pro Ser Thr Leu Pro His Tyr	
30 35 40	
CTT GGT CTT CAG CCT GAT CCC AAT GGT GGA CAA ATA GGA GTA ACA ATC	252
Leu Gly Leu Gln Pro Asp Pro Asn Gly Gly Gln Ile Gly Val Thr Ile	
45 50 55 60	
ACT ATA CCC TTA AAT CTT CAA CCA CCT CGT GTT CTT GTT AAT CTT CCC	300
Thr Ile Pro Leu Asn Leu Gln Pro Pro Arg Val Leu Val Asn Leu Pro	
65 70 75	
GGT TTT ATC ACT GGA CCA CCA TTG GTT GTA CAA GGT ACC ACT GAA TAT	348
Gly Phe Ile Thr Gly Pro Pro Leu Val Val Gln Gly Thr Thr Glu Tyr	
80 85 90	

CAA TAT CAG TGG CAG CTA ACT GCT CCA GAC CCT ACA CCT CTA AGC AAT Gln Tyr Gln Trp Gln Leu Thr Ala Pro Asp Pro Thr Pro Leu Ser Asn 95 100 105	396
CCT CCT ACT CAA CTT CAT TCC ACA GAA CAA GCA AAT ACA AAA ACA GAT Pro Pro Thr Gln Leu His Ser Thr Glu Gln Ala Asn Thr Lys Thr Asp 110 115 120	444
GCC AAA ATC TCC AAC ACT ACT GCG ACT ACC CAA AAT TCC ACT GAT ATT Ala Lys Ile Ser Asn Thr Thr Ala Thr Thr Gln Asn Ser Thr Asp Ile 125 130 135 140	492
TTT GAA GGT GGT GGC AAA TAATAAATTC CTTTGGCAG TTACAATAGC Phe Glu Gly Gly Gly Lys 145	540
ATAAATCAAA ACACTGTCTA GTTTTGGCCG AAATAATCTT TAAAGGCTTG AGAAACAACC	600
TTTACCCCCA TTATAGAAAA TGACAATAAA GAGCTAAGCA GCATTACACA GCAAAAAA	658

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 146 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Met Lys Ser Leu Tyr Leu Ile Phe Gly Leu Trp Ile Leu Leu Ala Cys 1 5 10 15
Phe Gln Ser Gly Glu Gly Val Arg Gly Pro Arg Arg Gln His Asn Pro 20 25 30
Arg Arg Gln Gln Asp Pro Ser Thr Leu Pro His Tyr Leu Gly Leu Gln 35 40 45
Pro Asp Pro Asn Gly Gly Gln Ile Gly Val Thr Ile Thr Ile Pro Leu 50 55 60
Asn Leu Gln Pro Pro Arg Val Leu Val Asn Leu Pro Gly Phe Ile Thr 65 70 75 80
Gly Pro Pro Leu Val Val Gln Gly Thr Thr Glu Tyr Gln Tyr Gln Trp 85 90 95
Gln Leu Thr Ala Pro Asp Pro Thr Pro Leu Ser Asn Pro Pro Thr Gln 100 105 110
Leu His Ser Thr Glu Gln Ala Asn Thr Lys Thr Asp Ala Lys Ile Ser 115 120 125

Asn Thr Thr Ala Thr Thr Gln Asn Ser Thr Asp Ile Phe Glu Gly Gly
130 135 140

C'
Gly Lys
145
